

1. (ORIGINAL) A protein comprising the same or substantially the same amino acid sequence as an amino acid sequence represented by SEQ ID NO: 1, or a salt thereof.
2. (ORIGINAL) A protein consisting of an amino acid sequence represented by SEQ ID NO: 1, or a salt thereof.
3. (ORIGINAL) A partial peptide of the protein according to claim 1, or a salt thereof.
4. (Currently Amended) A polynucleotide comprising a polynucleotide encoding the protein according to claim 1 or the partial peptide thereof according to claim 3.
5. (ORIGINAL) The polynucleotide according to claim 4, which is DNA.
6. (ORIGINAL) A polynucleotide consisting of a nucleotide sequence represented by SEQ ID NO: 2.
7. (ORIGINAL) A recombinant vector comprising the polynucleotide according to claim 5.
8. (ORIGINAL) A transformant transformed with the recombinant vector according to claim 7.
9. (Currently Amended) A method of manufacturing the protein or its salt comprising the same or substantially the same amino acid sequence as an amino acid sequence represented by SEQ ID NO: 1 according to claim 1 or the partial peptide or its salt thereof according to claim 3, which comprises culturing the transformant according to claim 8, forming and accumulating the protein according to claim 1 or the partial peptide according to claim 3, and recovering it.
10. (Currently Amended) A pharmaceutical comprising the protein or its salt according to claim 1 or the partial peptide or its salt thereof according to claim 3.
11. (ORIGINAL) A pharmaceutical comprising the polynucleotide according to claim 5.
12. (ORIGINAL) A diagnostic agent comprising the polynucleotide according to claim 5.

13. (Currently Amended) An antibody to the protein according to claim 1, the partial peptide thereof according to claim 3, or a salt of the protein or partial peptide.

14. (ORIGINAL) An antisense polynucleotide comprising a nucleotide sequence, or a part thereof, complementary or substantially complementary to the nucleotide sequence of a polynucleotide encoding a protein or its partial peptide thereof comprising the same or substantially the same amino acid sequence as an amino acid sequence represented by SEQ ID NO: 1.

15. (ORIGINAL) A pharmaceutical comprising the antisense polynucleotide according to claim 14.

16. (Currently Amended) A method of screening a compound or its salt that promotes or inhibits the activity of the protein or its salt according to claim 1 or the partial peptide or its salt thereof according to claim 3, which comprises using the protein or its salt according to claim 1 or the partial peptide or its salt thereof according to claim 3.

17. (Currently Amended) A kit for screening a compound or its salt that promotes or inhibits the activity of the protein or its salt according to claim 1 or the partial peptide or its salt thereof according to claim 3, which comprises the protein or its salt according to claim 1 or the partial peptide or its salt thereof according to claim 3.

18. (Currently Amended) A method of screening a compound or its salt that promotes or inhibits the expression of a gene for the protein according to claim 1 comprising the same or substantially the same amino acid sequence as an amino acid sequence represented by SEQ ID NO: 1, or a salt thereof, which comprises using the polynucleotide according to claim 4.

19. (Currently Amended) A kit for screening a compound or its salt that promotes or inhibits the expression of a gene for the protein according to claim 1 comprising the same or

substantially the same amino acid sequence as an amino acid sequence represented by SEQ ID

NO: 1, or a salt thereof, which comprises the polynucleotide according to claim 4.

20. (ORIGINAL) A diagnostic agent comprising the antibody according to claim 13.

21. (ORIGINAL) A pharmaceutical comprising the antibody according to claim 13.

22. (Currently Amended) A method of quantifying the protein ~~according to claim 1~~  
comprising the same or substantially the same amino acid sequence as an amino acid sequence  
represented by SEQ ID NO: 1, or a salt thereof, which comprises using the antibody according to  
claim 13.

23. (Currently Amended) A method of diagnosing diseases associated with the functions  
of the protein ~~according to claim 1~~  
comprising the same or substantially the same amino acid  
sequence as an amino acid sequence represented by SEQ ID NO: 1, or a salt thereof, which  
comprises using the quantification method according to claim 22.

24. (Currently Amended) A method of screening a compound or its salt that promotes or  
inhibits the expression of the protein ~~according to claim 1~~  
comprising the same or substantially  
the same amino acid sequence as an amino acid sequence represented by SEQ ID NO: 1, or a salt  
thereof, which comprises using the antibody according to claim 13.

25. (Currently Amended) A kit for screening a compound or its salt that promotes or  
inhibits the expression of the protein ~~according to claim 1~~  
comprising the same or substantially  
the same amino acid sequence as an amino acid sequence represented by SEQ ID NO: 1, or a salt  
thereof, which comprises the antibody according to claim 13.

26. (Currently Amended) The pharmaceutical according to claim 10, ~~11, 15 or 21~~, which  
is a prophylactic/therapeutic agent for a neurodegenerative disease.

27. (Currently Amended) The diagnostic agent according to claim 12 ~~or 20~~, which is a  
diagnostic agent for a neurodegenerative disease.

28. (ORIGINAL) A prophylactic/therapeutic method for a neurodegenerative disease, which comprises administering to a mammal an effective amount of a compound or its salt that promotes or inhibits the activity of the protein according to claim 1 or its partial peptide or its salt, a compound or its salt that promotes or inhibits the expression of a gene for said protein or its partial peptide or its salt, or a compound or its salt that promotes or inhibits the expression of said protein or its partial peptide or its salt.

29. (ORIGINAL) A method of inhibiting production of  $\beta$ -amyloid, which comprises administering to a mammal an effective amount of a compound or its salt that promotes the activity of the protein according to claim 1 or its partial peptide or its salt, a compound or its salt that promotes the expression of a gene for said protein or its partial peptide or its salt, or a compound or its salt that promotes the expression of said protein or its partial peptide or its salt.

30. (ORIGINAL) A method of inhibiting cell-death, which comprises administering to a mammal an effective amount of a compound or its salt that inhibits the activity of the protein according to claim 1 or its partial peptide or its salt, a compound or its salt that inhibits the expression of a gene for said protein or its partial peptide or its salt, or a compound or its salt that inhibits the expression of said protein or its partial peptide or its salt.

31. (ORIGINAL) A prophylactic/therapeutic method for a neurodegenerative disease, wherein the activity of the protein according to claim 1 or its partial peptide or its salt is promoted or inhibited, the expression of a gene for said protein or its partial peptide or its salt is promoted or inhibited, or the expression of said protein or its partial peptide or its salt is promoted or inhibited.

32. (ORIGINAL) A method of inhibiting production of  $\beta$ -amyloid, wherein the activity of the protein according to claim 1 or its partial peptide or its salt is promoted, the expression of a

gene for said protein or its partial peptide or its salt is promoted, or the expression of said protein or its partial peptide or its salt is promoted.

33. (ORIGINAL) A method of inhibiting cell-death, wherein the activity of the protein according to claim 1 or its partial peptide or its salt is inhibited, the expression of a gene for said protein or its partial peptide or its salt is inhibited, or the expression of said protein or its partial peptide or its salt is inhibited.

34. (ORIGINAL) Use of a compound or its salt that promotes or inhibits the activity of the protein according to claim 1 or its partial peptide or its salt, a compound or its salt that promotes or inhibits the expression of a gene for said protein or its partial peptide or its salt, or a compound or its salt that promotes or inhibits the expression of said protein or its partial peptide or its salt, for the manufacture of a prophylactic/therapeutic agent for a neurodegenerative disease.

35. (ORIGINAL) Use of a compound or its salt that promotes the activity of the protein according to claim 1 or its partial peptide or its salt, a compound or its salt that promotes the expression of a gene for said protein or its partial peptide or its salt, or a compound or its salt that promotes the expression of said protein or its partial peptide or its salt, for the manufacture of a  $\beta$ -amyloid production inhibitor.

36. (ORIGINAL) Use of a compound or its salt that inhibits the activity of the protein according to claim 1 or its partial peptide or its salt, a compound or its salt that inhibits the expression of a gene for said protein or its partial peptide or its salt, or a compound or its salt that inhibits the expression of said protein or its partial peptide or its salt, for the manufacture of an cell-death inhibitor.